**Name:**

**8th Grade**

**Ms. Squires**

**Unit 6 Day 7**

**Tuesday 2/1/2011**

**6.7**

**Aim: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Quick Questions**

|  |  |
| --- | --- |
| 1. In the last four weeks, Brandon has made $190, $420, $70 and $210 from shoveling snow. He **estimates** that he has earned $700 in total. Is his estimate reasonable? Show your work to explain why or why not. | 1. The ratio of boys to girls is 7 : 8. What could **not** be the ratio? 2. 14 : 16 3. 21: 24 4. 28 : 36 5. 35 : 40 |
| 1. You roll a dice 98 times. How many times will you expect to roll a number less than 3? | 1. Which of the following is **not** a polygon?   Which of the following is **not** a regular polygon? |
| 1. Find the **perimeter** of a rectangle with a length of 7 and a width of 3. | 1. Find the **area** of a rectangle with a length of 7 and a width of 3. |

***Credit for today’s lesson: many figures borrowed from Betsy Peterson from West Denver Prep Charter School***

**Review Page**

18, 16, 14, 17, 18

**Mean: Median:**

**Mode:**

**Range:**

45, 38, 63, 38, 41, 44, 43

**Mean: Median:**

**Mode:**

**Range:**

104, 121, 118, 114, 121

**Mean: Median:**

**Mode:**

**Range:**

Done Early? Find:

1. 4.6 \* .23 (no calculator) 2) 39.4 ÷ 0.8 (no calculator!)

**Volume Review**

**Perimeter:**

**Area:**

**Volume:**

**Volume of a Prism: Volume of a Cylinder:**

*Find the volume of the following figures:*

**Class Notes**

To find the area of irregular shapes:

1. Divide the irregular figure into smaller figures you can find the area of
2. Label all missing sides (use sides opposite)
3. Find the area of each smaller shape
4. Add them to find the total area

**Example #1: Find the total area of the figure.**

5 in

10 in 6 in

18 in

**Example #2: Find the total area of the figure.**

**Irregular L-Shaped Figures**

Find the **area** of the following shapes:

3 cm 9 ft

5 cm 8 ft

10 ft

6 cm 2 ft

2 cm

8cm 2 in

3 cm

5 in

5 cm 7 in

3 in

15 cm

Find the **area** of the following shapes:

6 cm 9 ft

7 cm 9 ft

13 ft

9 cm 2 ft

3 cm

**Area Perimeter:**

8cm 8cm 2 in

3 cm

12 cm 5 cm

7 in

3 in

19 cm

**Area Perimeter:**

**Composite Area involving TRIANGLES!**

**Example #1:**

Total Area of Figure: \_\_\_\_\_\_\_\_\_\_\_ft2



**Example #2:**

Total Area of Figure: \_\_\_\_\_\_\_\_\_\_\_ft2



**Independent Practice:**

**Find the area of the figure shown. Show all of your work in the space provided.**



Work:

Total Area of Figure: \_\_\_\_\_\_\_\_\_\_\_in.2



Work:

Total Area of Figure: \_\_\_\_\_\_\_\_\_\_\_m2







Work:

Total Area of Figure: \_\_\_\_\_\_\_\_\_\_\_m2



Work:

Total Area of Figure: \_\_\_\_\_\_\_\_\_\_\_ft2



Work:

Total Area of Figure: \_\_\_\_\_\_\_\_\_\_\_ft2



**Challenge…Complete on a separate sheet of paper so that you have plenty of room ☺**



